

# QPAC HV

## Description

QPAC HV is a high viscosity polyanionic cellulose, to be used as a fluid-loss control additive in fresh and salt water base fluids.

QPAC HV has medium to high molecular weight which can also increase viscosity of the drilling mud. It does not contain any other polysaccharides such as starch, guar or other naturally occurring polymers or their derivatives.

QPAC HV meets API 13A specification.

## Applications

QPAC HV is used primarily as a fluid loss reducer in fresh and salt water muds. Additionally, it can also be used as a secondary viscosifier at lower temperatures.

QPAC HV is compatible with all densities and both dispersed and non-dispersed systems.

## Features and Benefits

- Good thermal stability.
- Controls filtration rate and assists in forming thinner, less permeable cake.
- Improves viscosity for effective removal of drill cuttings.
- Stabilizes drilled formations.
- Tolerant to high salinity.
- Resistant to bacterial attack.

## Typical Properties

Appearance	Solid
Color	White
Specific Gravity	1.55 – 1.6
Solubility in water	100 %

## Recommended Treatment

QPAC HV normal concentration is 1.0 – 3.5 ppb (3.0 – 10.0 kg/m<sup>3</sup>) in saline water based systems and in fresh water systems lower concentrations 0.35 – 1 ppb (1.0 – 3.0 kg/m<sup>3</sup>) may be ran. These levels may be increased to achieve desired parameters. Generally, 0.7 ppb (2.0 kg/m<sup>3</sup>) QPAC HV will reduce the API fluid loss of a gel/chemical system to 10-12 cc/30min.

QPAC HV is resistant to temperatures up to 300 °F (149°C).

## Safety and Handling

Prior to using this product, refer to the safety data sheet for information on use of personal protective equipment, safe handling, storage, transport, and disposal.

## Packaging

QPAC HV is packaged in 50 lb (22.7 kg) and 55 lb (25 kg) bags.

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